

11/16

Addition + Subtraction
of Radicals

$$2x + 3x = 5x$$

$$2\sqrt{5} + 3\sqrt{5} = 5\sqrt{5}$$

$$2x + 3y = 2x + 3y$$

$$2\sqrt{5} + 3\sqrt{5} = 2\sqrt{5} + 3\sqrt{5}$$

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ex

$$3\sqrt{5} + 8\sqrt{5} - 2\sqrt{5}$$

$$= 9\sqrt{5}$$

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ex

$$7\sqrt{3} - 10\sqrt{3} \\ - 3\sqrt{3}$$

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ex

$$5\sqrt{2} - 8\sqrt{2} + 7\sqrt{3}$$

$$-3\sqrt{2} + 7\sqrt{3}$$

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2x

SIMPLIFY 1ST

$$\sqrt{8} + 5\sqrt{2}$$

$$2\sqrt{2} + 5\sqrt{2}$$

$$= 7\sqrt{2}$$

8
4 2
22

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2x

$$\sqrt{24} - \sqrt{150}$$

$$2\sqrt{6} - 5\sqrt{6}$$

$$= -3\sqrt{6}$$

24
12 2
2 6
2 3

150
25 6
5 5 2 3

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